

10539602.trn

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NEWS	3	MAY 08	CA/CAPplus Indian patent publication number format defined
NEWS	4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	7	MAY 21	CA/CAPplus enhanced with additional kind codes for German patents
NEWS	8	MAY 22	CA/CAPplus enhanced with IPC reclassification in Japanese patents
NEWS	9	JUN 27	CA/CAPplus enhanced with pre-1967 CAS Registry Numbers
NEWS	10	JUN 29	STN Viewer now available
NEWS	11	JUN 29	STN Express, Version 8.2, now available
NEWS	12	JUL 02	LEMBASE coverage updated
NEWS	13	JUL 02	LMEDLINE coverage updated
NEWS	14	JUL 02	SCISEARCH enhanced with complete author names
NEWS	15	JUL 02	CHEMCATS accession numbers revised
NEWS	16	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	17	JUL 16	Caplus enhanced with French and German abstracts
NEWS	18	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	20	JUL 30	USGENE now available on STN
NEWS	21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	22	AUG 06	BEILSTEIN updated with new compounds
NEWS	23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	24	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	25	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS EXPRESS	29	JUNE 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:16:21 ON 25 AUG 2007

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STRUCTURE FILE UPDATES: 24 AUG 2007 HIGHEST RN 945591-52-6

DICTIONARY FILE UPDATES: 24 AUG 2007 HIGHEST RN 945591-52-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

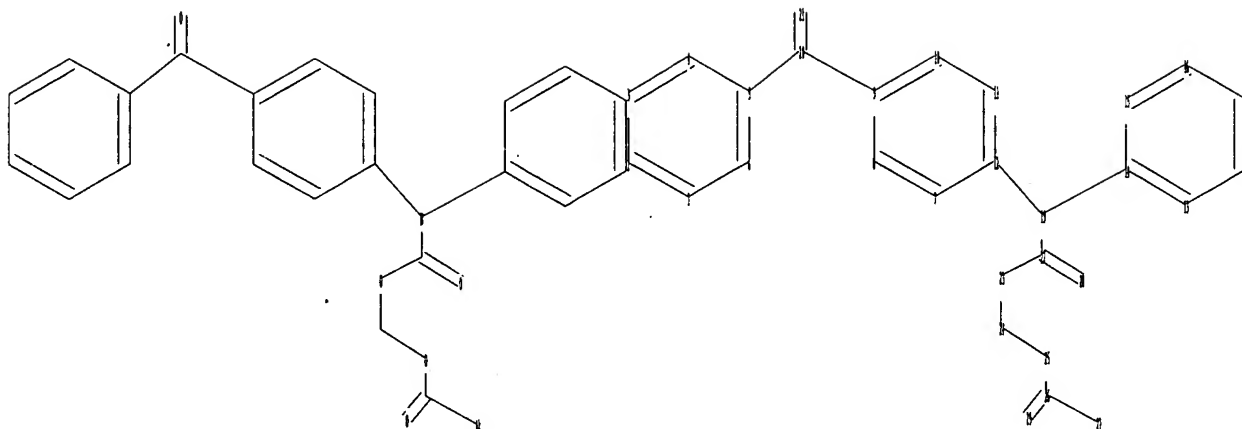
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Program Files\Stnexp\Queries\10539602.str



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chain nodes :
19 20 21 22 23 24 25 26 27 28 29
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
5-20 9-20 12-19 14-19 19-22 20-21 22-23 22-28 23-24 24-25 25-26 26-27
26-29
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
exact/norm bonds :
12-19 14-19 19-22 20-21 22-23 22-28 23-24 24-25 25-26 26-27 26-29
exact bonds :
5-20 9-20
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
isolated ring systems :
containing 1 : 7 : 13 :

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
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28:CLASS 29:CLASS

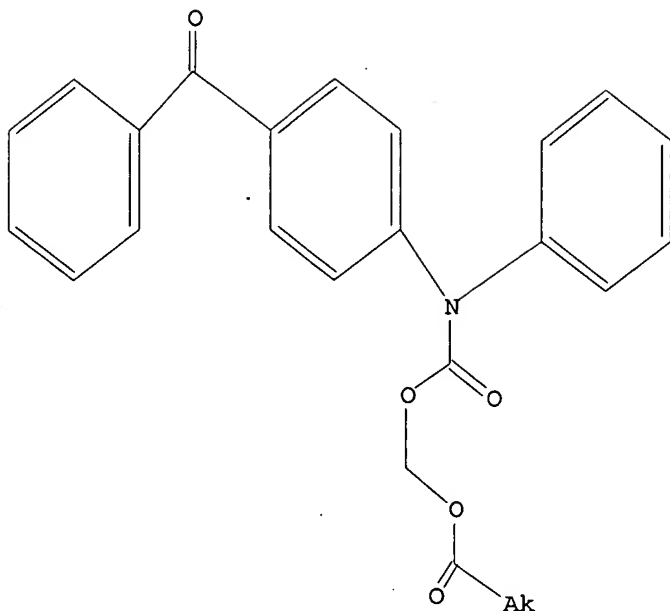
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L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:16:53 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS 1 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 3 TO 163
 PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 15:17:00 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 86 TO ITERATE

100.0% PROCESSED 86 ITERATIONS
 SEARCH TIME: 00.00.01

L3 42 SEA SSS FUL L1

=> FIL HCAPLUS

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
172.10	172.31

42 ANSWERS

FILE 'HCAPLUS' ENTERED AT 15:17:06 ON 25 AUG 2007
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FILE COVERS 1907 - 25 Aug 2007 VOL 147 ISS 10

FILE LAST UPDATED: 24 Aug 2007 (20070824/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 1 L3

=> d l4 ibib abs hitstr tot

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:546473 HCAPLUS

DOCUMENT NUMBER: 141:106279

TITLE: Preparation of aminobenzophenones for use in the treatment of inflammatory diseases

INVENTOR(S): Ottosen, Erik Rytter; Bjorkling, Fredrik; Dannacher, Helma Wilhelm

PATENT ASSIGNEE(S): Leo Pharma A/S, Den.

SOURCE: PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

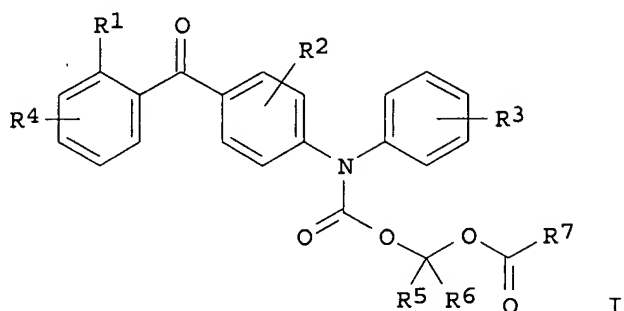
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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WO 2004056762	A2	20040708	WO 2003-DK900	20031219
WO 2004056762	A3	20040812		
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2510711	A1	20040708	CA 2003-2510711	20031219
AU 2003287917	A1	20040714	AU 2003-287917	20031219
EP 1583735	A2	20051012	EP 2003-779757	20031219
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BR 2003017445	A	20051116	BR 2003-17445		20031219
CN 1753861	A	20060329	CN 2003-80109859		20031219
JP 2006510688	T	20060330	JP 2004-561082		20031219
ZA 2005004720	A	20060830	ZA 2005-4720		20050609
MX 2005PA06435	A	20050908	MX 2005-PA6435		20050615
US 2006058380	A1	20060316	US 2005-539602		20050617
NO 2005003562	A	20050720	NO 2005-3562		20050720
PRIORITY APPLN. INFO.:			US 2002-434798P	P	20021220
			WO 2003-DK900	W	20031219
OTHER SOURCE(S):	MARPAT	141:106279			
GI					

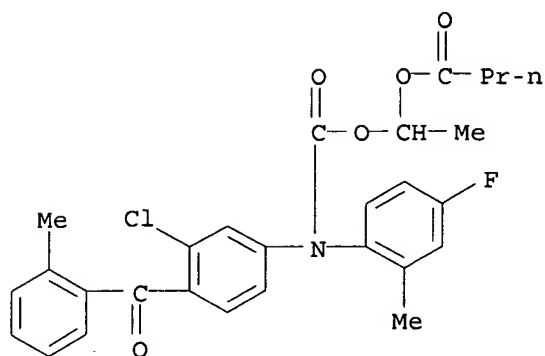


AB Aminobenzophenones I [R1 = halogen, OH, SH, CF3, aminoalkyl, alkenyl, alkoxy, alkylthio, alkylamino, CN; R2, R4 = H, halogen, OH, SH, CF3, aminoalkyl, alkenyl, alkoxy, alkylthio, alkylamino, CN, alkoxycarbonyl, NO2; R3 = H, halogen, OH, SH, CF3, CN, CONH2, alkyl, alkenyl, alkoxy, alkylthio, alkoxycarbonyl; R5, R6 = H, alkyl, alkenyl; R7 = (un)substituted alkyl, cycloalkyl, alkenyl, heterocyclyl, alkynyl] were prepared for use as prodrugs for cytokine inhibitors in treating inflammatory diseases. Thus, (E)-3,4-Cl(2-MeC6H4CO)C6H3N(C6H3MeF-2,4)CO2CHMeO2CCH:CHMe (II) was obtained from 3,4-Cl(2-MeC6H4CO)C6H3NH(C6H3MeF-2,4) by reaction with ClCO2CHMeCl, followed by (E)-MeCH:CHCO2NBu4. II had IC50 for inhibition of IL-1 β of 7.9 nM.

IT 720685-35-8P 720685-36-9P 720685-62-1P
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aminobenzophenones for use in the treatment of inflammatory diseases)

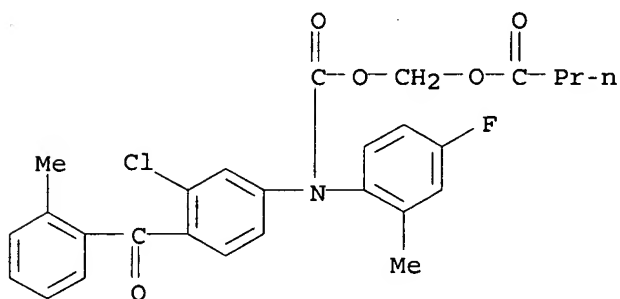
RN 720685-35-8 HCAPLUS

CN Butanoic acid, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



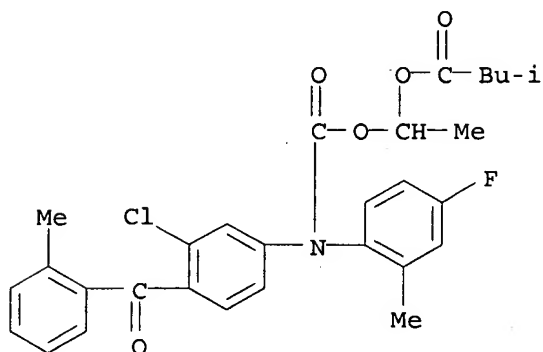
RN 720685-36-9 HCAPLUS

CN Butanoic acid, [[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]methyl ester (9CI) (CA INDEX NAME)



RN 720685-62-1 HCAPLUS

CN Butanoic acid, 3-methyl-, 1-[[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



IT 720685-56-3P 720685-66-5P

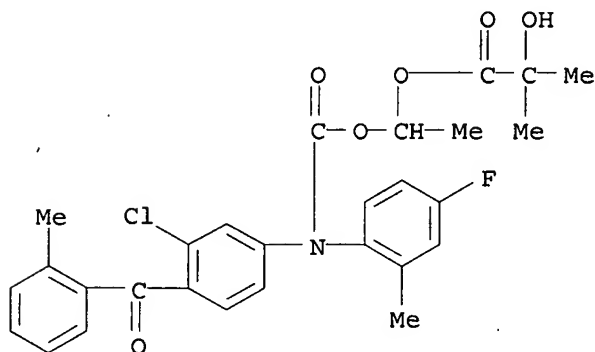
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aminobenzophenones for use in the treatment of inflammatory

diseases)

RN 720685-56-3 HCAPLUS

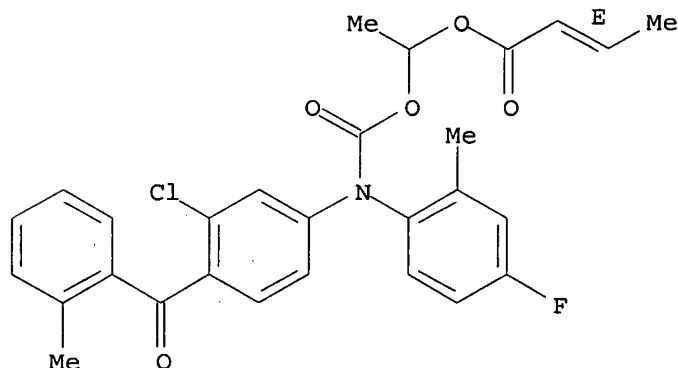
CN Propanoic acid, 2-hydroxy-2-methyl-, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



RN 720685-66-5 HCAPLUS

CN 2-Butenoic acid, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

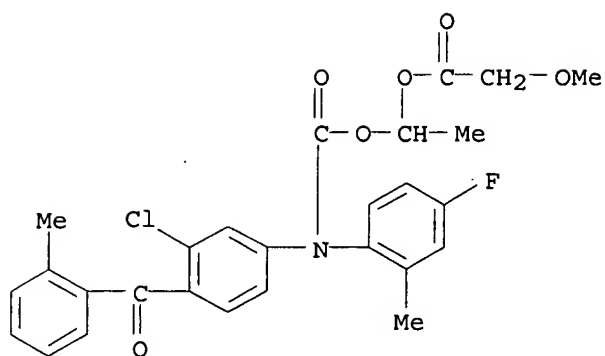


IT 720685-43-8P

RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of aminobenzophenones for use in the treatment of inflammatory diseases)

RN 720685-43-8 HCAPLUS

CN Acetic acid, methoxy-, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



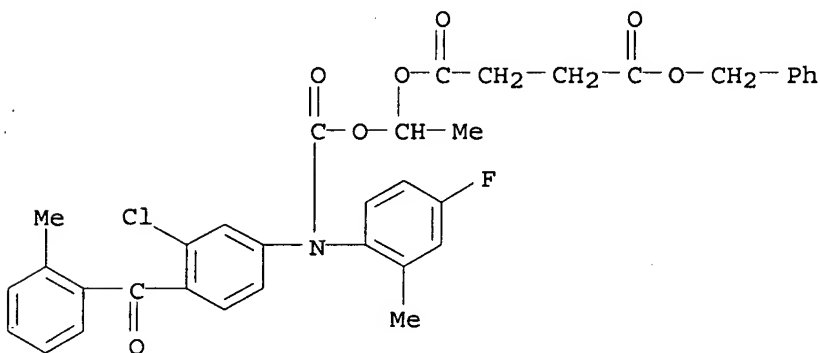
IT 720685-24-5P 720685-25-6P 720685-29-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of aminobenzophenones for use in the treatment of inflammatory diseases)

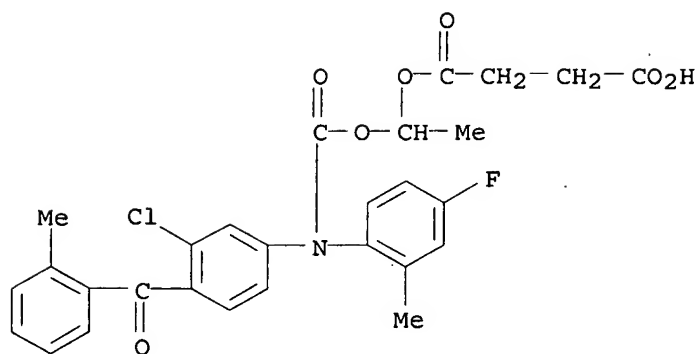
RN 720685-24-5 HCAPLUS

CN Butanedioic acid, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl phenylmethyl ester (9CI) (CA INDEX NAME)



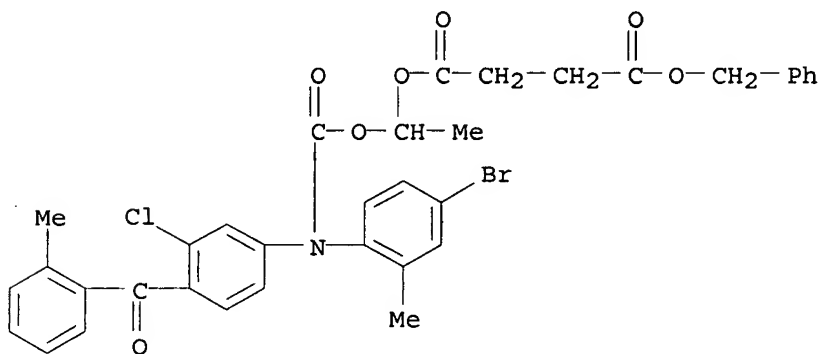
RN 720685-25-6 HCAPLUS

CN Butanedioic acid, mono[1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl] ester (9CI) (CA INDEX NAME)



RN 720685-29-0 HCAPLUS

CN Butanedioic acid, 1-[[[4-bromo-2-methylphenyl][3-chloro-4-(2-methylbenzoyl)phenyl]amino]carbonyl]oxy]ethyl phenylmethyl ester (9CI)
(CA INDEX NAME)

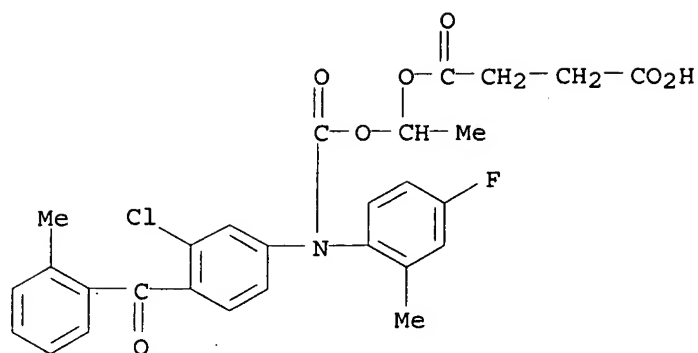


IT 720685-26-7P 720685-27-8P 720685-28-9P
720685-30-3P 720685-31-4P 720685-32-5P
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720685-38-1P 720685-39-2P 720685-40-5P
720685-42-7P 720685-45-0P 720685-46-1P
720685-48-3P 720685-49-4P 720685-53-0P
720685-54-1P 720685-58-5P 720685-59-6P
720685-60-9P 720685-61-0P 720685-63-2P
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720685-70-1P 720685-71-2P 720685-72-3P
720685-79-0P 720685-80-3P 720685-81-4P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aminobenzophenones for use in the treatment of inflammatory diseases).

RN 720685-26-7 HCAPLUS

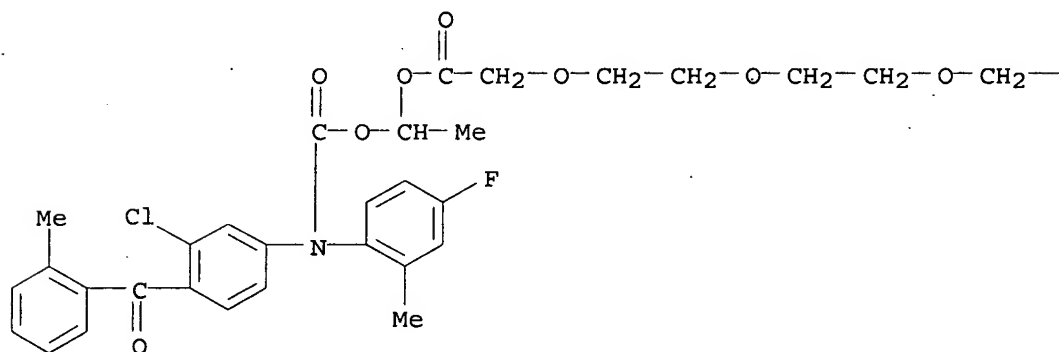
CN Butanedioic acid, mono[1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl] ester, sodium salt (9CI) (CA INDEX NAME)



● Na

RN 720685-27-8 HCAPLUS
 CN 2,5,8,11-Tetraoxatridecan-13-oic acid, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl] (4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

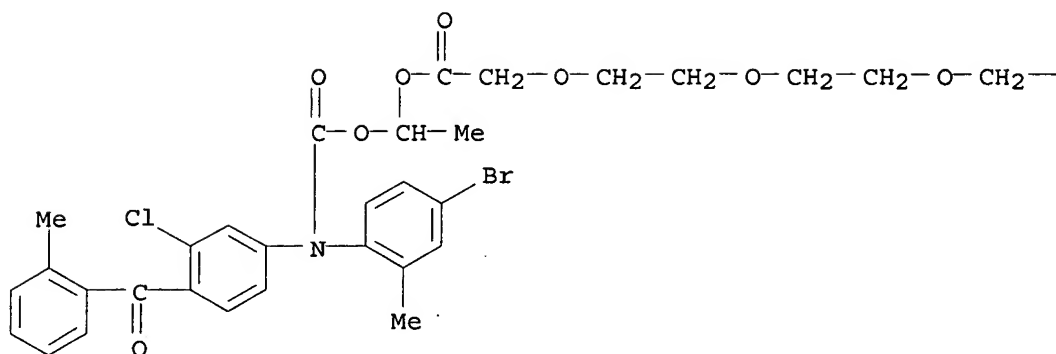


PAGE 1-B

— CH₂—OMe

RN 720685-28-9 HCAPLUS
 CN 2,5,8,11-Tetraoxatridecan-13-oic acid, 1-[[[4-bromo-2-methylphenyl] [3-chloro-4-(2-methylbenzoyl)phenyl]amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)

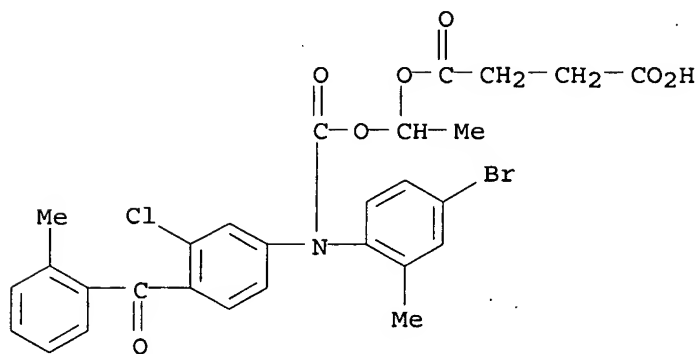
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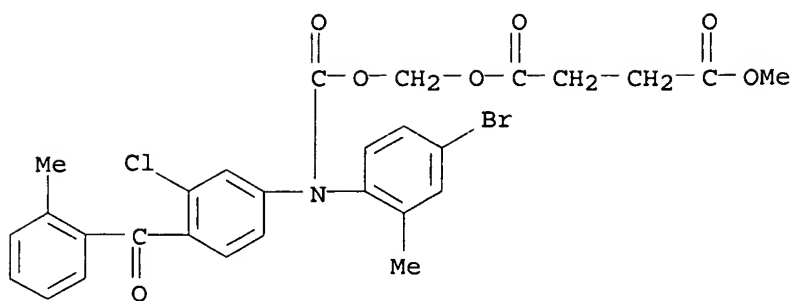
PAGE 1-B

—CH₂—OMe

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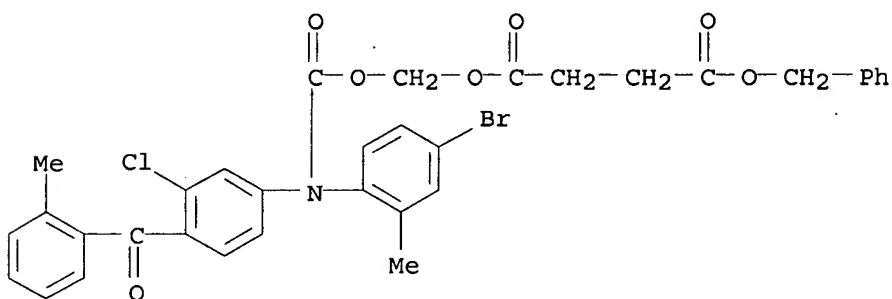


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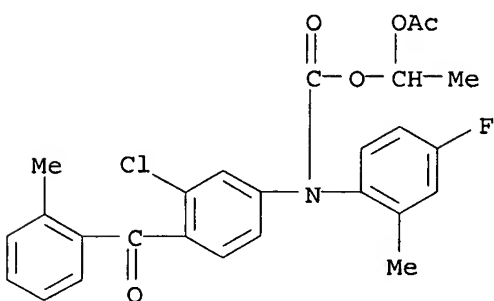
RN 720685-32-5 HCAPLUS

CN Butanedioic acid, [[[(4-bromo-2-methylphenyl)[3-chloro-4-(2-methylbenzoyl)phenyl]amino]carbonyl]oxy]methyl phenylmethyl ester (9CI)
(CA INDEX NAME)



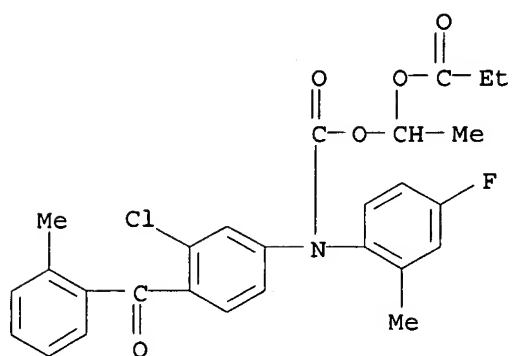
RN 720685-33-6 HCAPLUS

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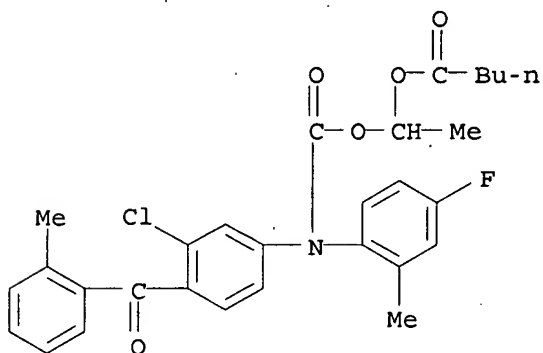
RN 720685-34-7 HCAPLUS

CN Carbamic acid, [3-chloro-4-(2-methylbenzoyl)phenyl][4-fluoro-2-methylphenyl]-, 1-(1-oxopropoxy)ethyl ester (9CI) (CA INDEX NAME)



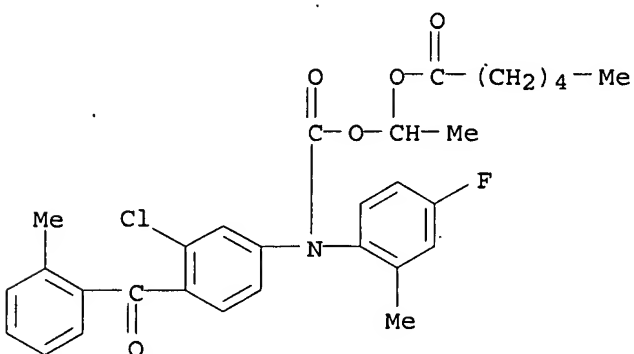
RN 720685-37-0 HCAPLUS

CN Pentanoic acid, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



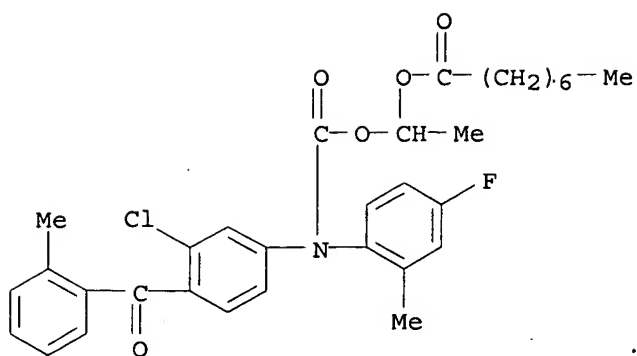
RN 720685-38-1 HCAPLUS

CN Hexanoic acid, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



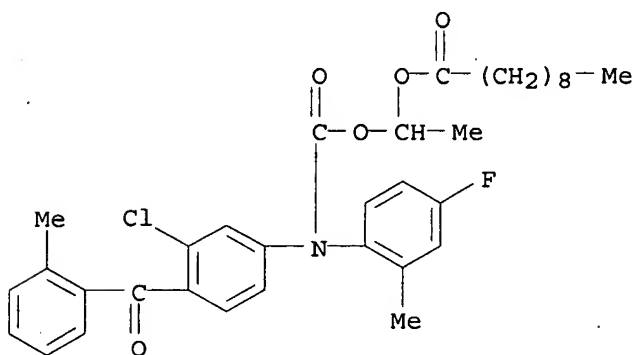
RN 720685-39-2 HCAPLUS

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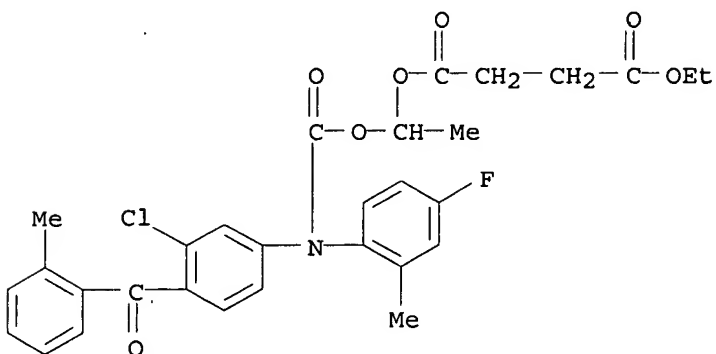
RN 720685-40-5 HCAPLUS

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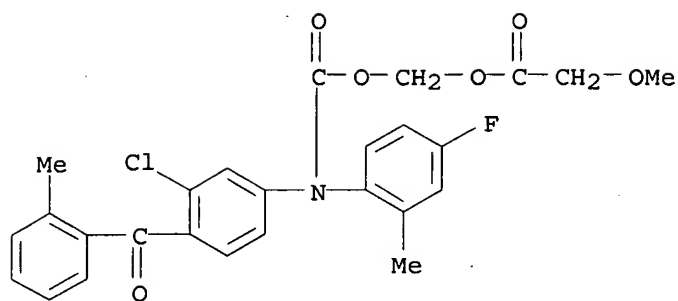
RN 720685-42-7 HCAPLUS

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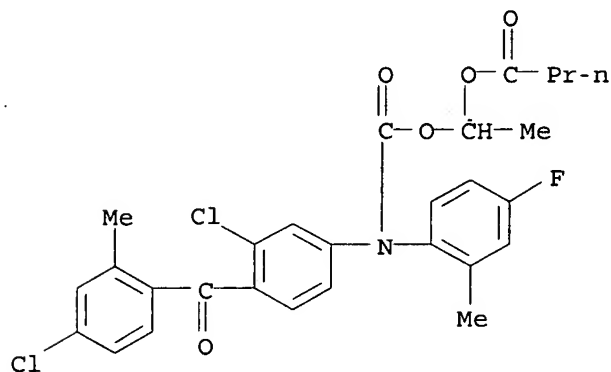
RN 720685-45-0 HCAPLUS

CN Acetic acid, methoxy-, [[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]methyl ester (9CI) (CA INDEX NAME)



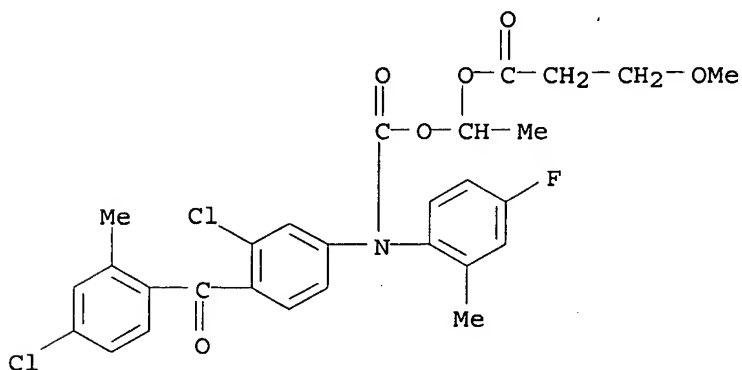
RN 720685-46-1 HCAPLUS

CN Butanoic acid, 1-[[[3-chloro-4-(4-chloro-2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



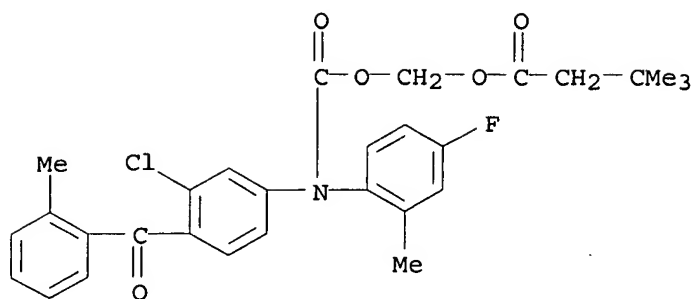
RN 720685-48-3 HCAPLUS

CN Propanoic acid, 3-methoxy-, 1-[[[3-chloro-4-(4-chloro-2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



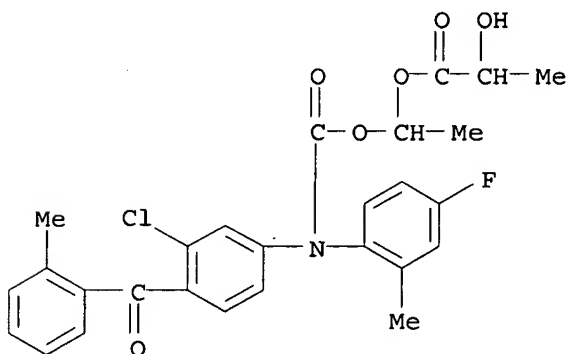
RN 720685-49-4 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, [[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]methyl ester (9CI) (CA INDEX NAME)



RN 720685-53-0 HCAPLUS

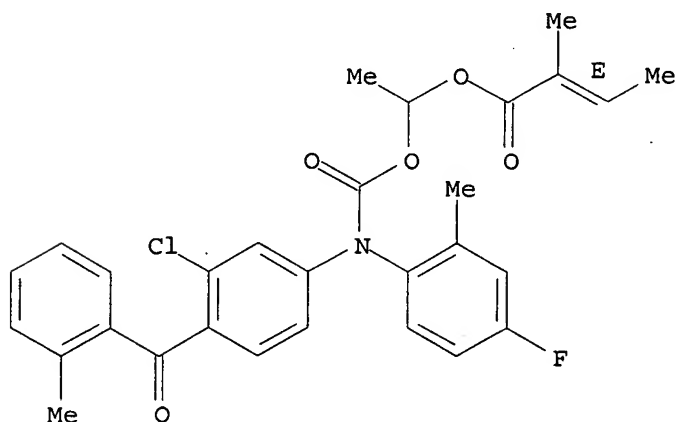
CN Propanoic acid, 2-hydroxy-, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



RN 720685-54-1 HCAPLUS

CN 2-Butenoic acid, 2-methyl-, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester, (2E)- (9CI) (CA INDEX NAME)

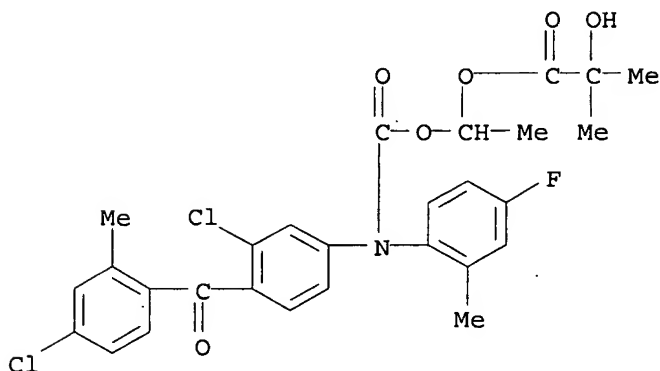
Double bond geometry as shown.



RN 720685-58-5 HCAPLUS

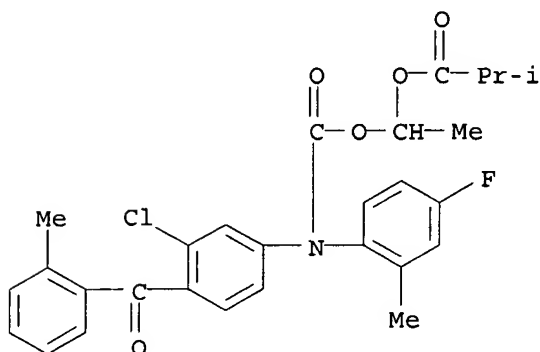
10539602.trn

CN Propanoic acid, 2-hydroxy-2-methyl-, 1-[[[3-chloro-4-(4-chloro-2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



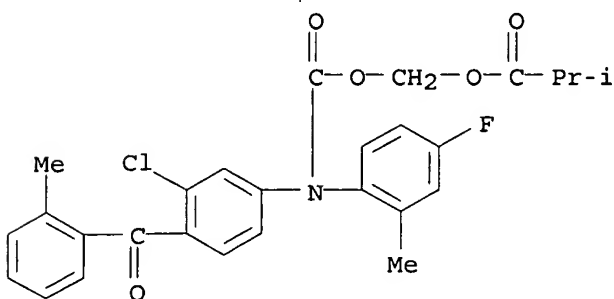
RN 720685-59-6 HCAPLUS

CN Propanoic acid, 2-methyl-, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



RN 720685-60-9 HCAPLUS

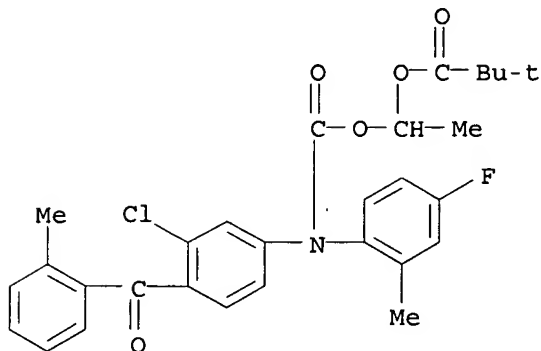
CN Propanoic acid, 2-methyl-, [[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]methyl ester (9CI) (CA INDEX NAME)



10539602.trn

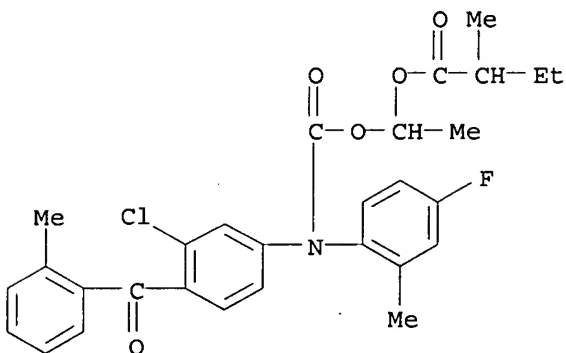
RN 720685-61-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



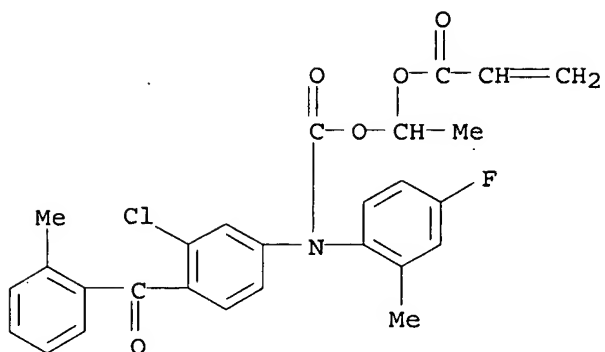
RN 720685-63-2 HCAPLUS

CN Butanoic acid, 2-methyl-, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



RN 720685-65-4 HCAPLUS

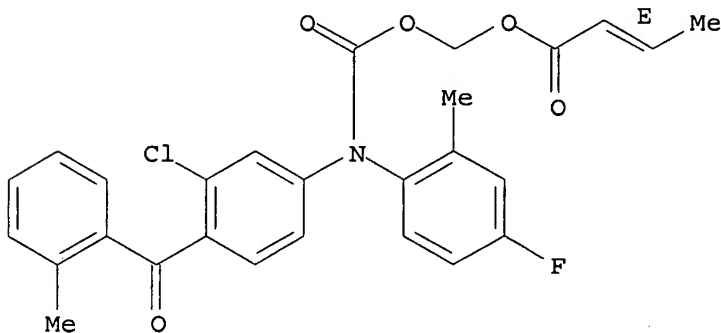
CN 2-Propenoic acid, 1-[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



RN 720685-67-6 HCAPLUS

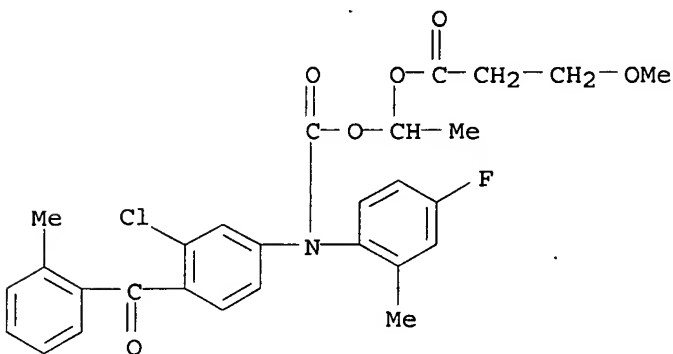
CN 2-Butenoic acid, [[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]methyl ester, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 720685-69-8 HCAPLUS

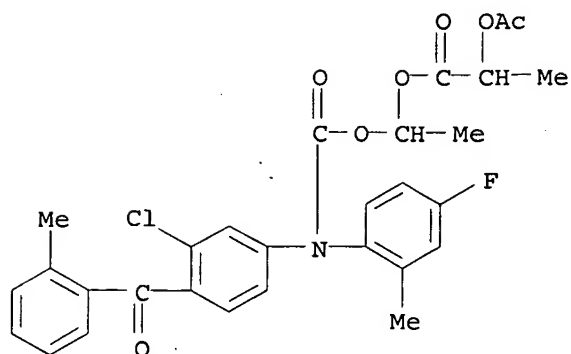
CN Propanoic acid, 3-methoxy-, 1-[[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)



RN 720685-70-1 HCAPLUS

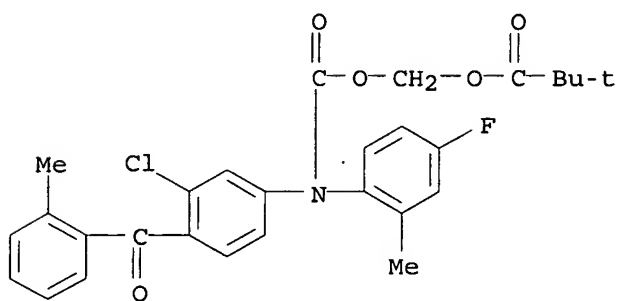
CN Propanoic acid, 2-(acetyloxy)-, 1-[[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl

ester (9CI) (CA INDEX NAME)



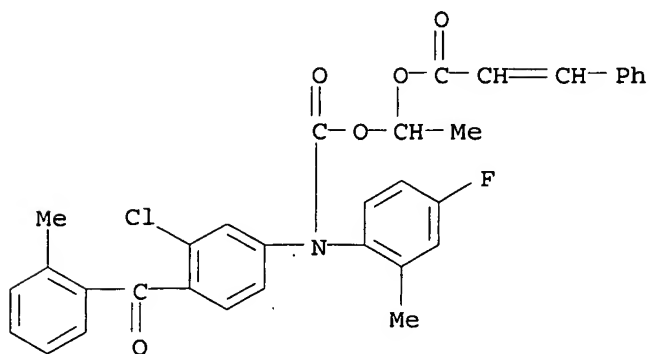
RN 720685-71-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, [[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]methyl ester (9CI) (CA INDEX NAME)



RN 720685-72-3 HCAPLUS

CN 2-Propenoic acid, 3-phenyl-, 1-[[[[3-chloro-4-(2-methylbenzoyl)phenyl](4-fluoro-2-methylphenyl)amino]carbonyl]oxy]ethyl ester (9CI) (CA INDEX NAME)

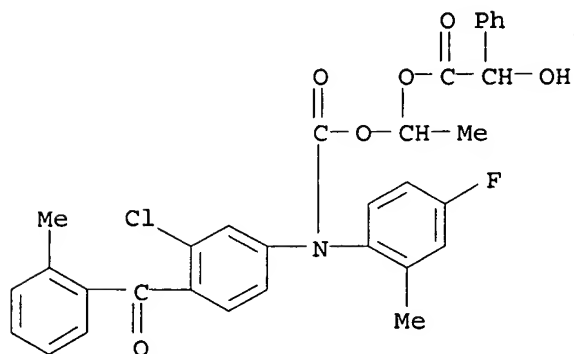


RN 720685-79-0 HCAPLUS

CN Benzeneacetic acid, alpha-hydroxy-, 1-[[[[3-chloro-4-(2-

10539602.trn

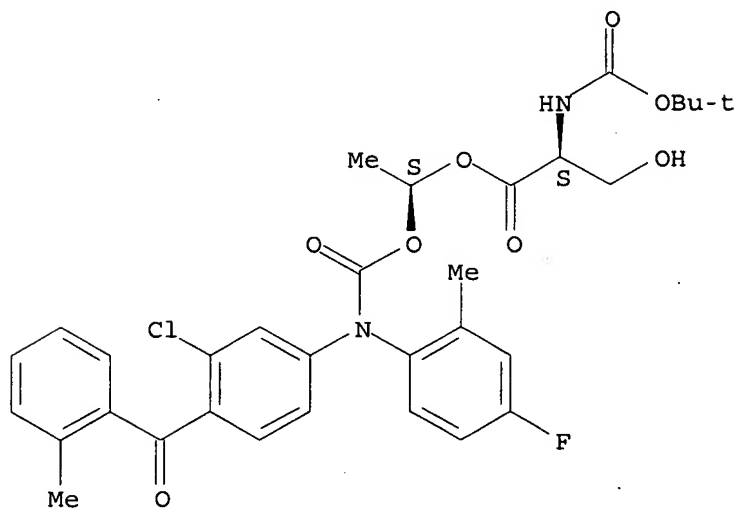
methylbenzoyl)phenyl] (4-fluoro-2-methylphenyl)amino] carbonyl]oxy]ethyl
ester (9CI) (CA INDEX NAME)



RN 720685-80-3 HCAPLUS

CN L-Serine, N-[(1,1-dimethylethoxy)carbonyl]-, (1S)-1-[[[3-chloro-4-(2-methylbenzoyl)phenyl] (4-fluoro-2-methylphenyl)amino] carbonyl]oxy]ethyl
ester (9CI) (CA INDEX NAME)

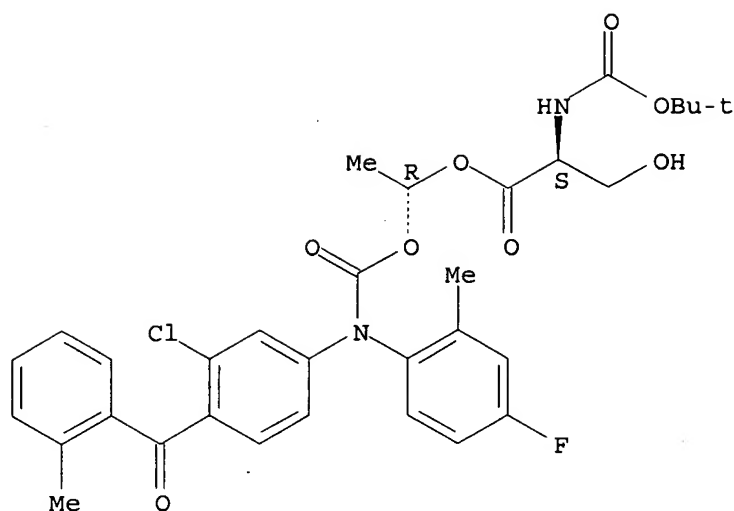
Absolute stereochemistry.



RN 720685-81-4 HCAPLUS

CN L-Serine, N-[(1,1-dimethylethoxy)carbonyl]-, (1R)-1-[[[3-chloro-4-(2-methylbenzoyl)phenyl] (4-fluoro-2-methylphenyl)amino] carbonyl]oxy]ethyl
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> FIL REGISTRY
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
10.47	182.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE ENTRY	TOTAL SESSION
-0.78	-0.78

FILE 'REGISTRY' ENTERED AT 15:18:30 ON 25 AUG 2007
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STRUCTURE FILE UPDATES: 24 AUG 2007 HIGHEST RN 945591-52-6
DICTIONARY FILE UPDATES: 24 AUG 2007 HIGHEST RN 945591-52-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

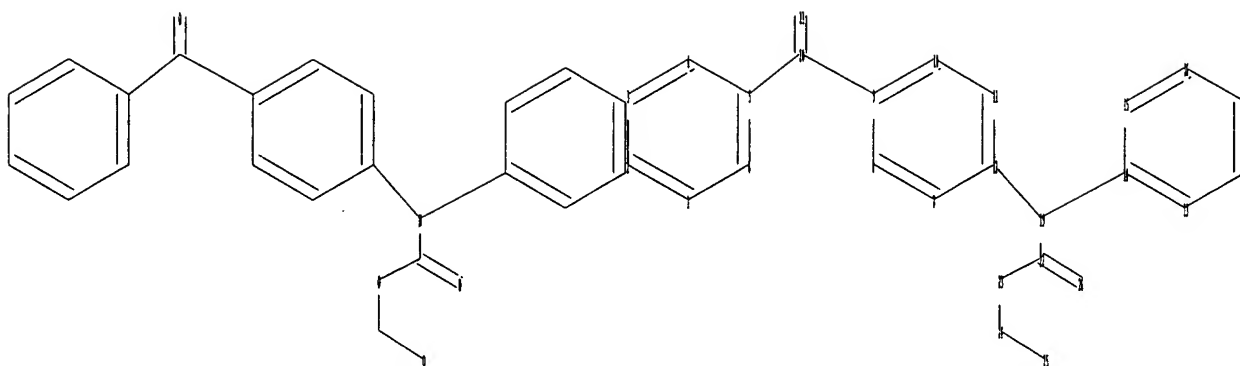
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10539602a.str



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19 20 21 22 23 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
5-20 9-20 12-19 14-19 19-22 20-21 22-23 22-26 23-24 24-25
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
exact/norm bonds :
12-19 14-19 19-22 20-21 22-23 22-26 23-24 24-25
exact bonds :
5-20 9-20
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
isolated ring systems :
containing 1 : 7 : 13 :

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS

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L5 STRUCTURE UPLOADED

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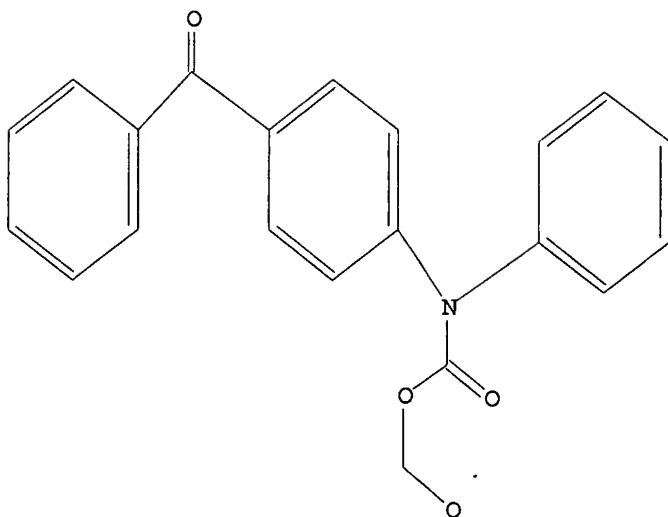
L15 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> d l5

L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 15:19:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3 TO 163
PROJECTED ANSWERS: 2 TO 124

L6 2 SEA SSS SAM L5

=> s 15 sss full

FULL SEARCH INITIATED 15:19:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 101 TO ITERATE

100.0% PROCESSED 101 ITERATIONS
SEARCH TIME: 00.00.01

52 ANSWERS

L7 52 SEA SSS FUL L5

=> FIL HCAPLUS

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
172.55	355.33

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.78

CA SUBSCRIBER PRICE

FILE 'HCAPLUS' ENTERED AT 15:19:27 ON 25 AUG 2007
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FILE COVERS 1907 - 25 Aug 2007 VOL 147 ISS 10
FILE LAST UPDATED: 24 Aug 2007 (20070824/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l7

L8 1 L7

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.60	357.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'REGISTRY' ENTERED AT 15:20:10 ON 25 AUG 2007
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STRUCTURE FILE UPDATES: 24 AUG 2007 HIGHEST RN 945591-52-6
DICTIONARY FILE UPDATES: 24 AUG 2007 HIGHEST RN 945591-52-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

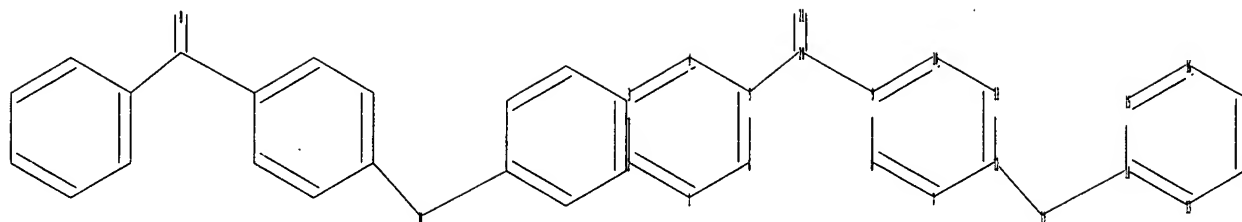
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10539602b.str



chain nodes :

19 20 21

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

chain bonds :

5-20 9-20 12-19 14-19 20-21

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18

exact/norm bonds :

12-19 14-19 20-21

exact bonds :

5-20 9-20

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18

isolated ring systems :

containing 1 : 7 : 13 :

Match level :

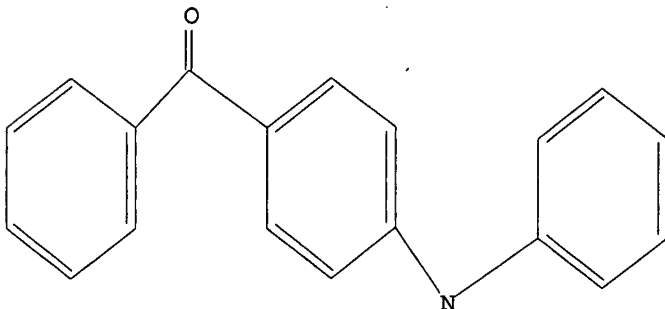
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS

L9 STRUCTURE UPLOADED

=> d 19

L9 HAS NO ANSWERS

L9 STR



10539602.trn

Structure attributes must be viewed using STN Express query preparation.

=> s 19

SAMPLE SEARCH INITIATED 15:20:31 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 803 TO ITERATE

100.0% PROCESSED 803 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 14360 TO 17760
PROJECTED ANSWERS: 833 TO 1807

L10 50 SEA SSS SAM L9

=> s 19 sss full

FULL SEARCH INITIATED 15:20:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 15811 TO ITERATE

100.0% PROCESSED 15811 ITERATIONS 1287 ANSWERS
SEARCH TIME: 00.00.01

L11 1287 SEA SSS FUL L9

=> FIL HCAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.10	530.03
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'HCAPLUS' ENTERED AT 15:20:46 ON 25 AUG 2007
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FILE COVERS 1907 - 25 Aug 2007 VOL 147 ISS 10
FILE LAST UPDATED: 24 Aug 2007 (20070824/ED)

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10539602.trn

=> d his

(FILE 'HOME' ENTERED AT 15:16:21 ON 25 AUG 2007)

FILE 'REGISTRY' ENTERED AT 15:16:37 ON 25 AUG 2007

L1 STRUCTURE UPLOADED
L2 1 S L1
L3 42 S L1 SSS FULL

FILE 'HCAPLUS' ENTERED AT 15:17:06 ON 25 AUG 2007

L4 1 S L3

FILE 'REGISTRY' ENTERED AT 15:18:30 ON 25 AUG 2007

L5 STRUCTURE UPLOADED
L6 2 S L5
L7 52 S L5 SSS FULL

FILE 'HCAPLUS' ENTERED AT 15:19:27 ON 25 AUG 2007

L8 1 S L7

FILE 'REGISTRY' ENTERED AT 15:20:10 ON 25 AUG 2007

L9 STRUCTURE UPLOADED
L10 50 S L9
L11 1287 S L9 SSS FULL

FILE 'HCAPLUS' ENTERED AT 15:20:46 ON 25 AUG 2007

=> s l11

L12 251 L11

=> s l12 and p/dt

5840625 P/DT

L13 156 L12 AND P/DT

=> s l13 and us/pc

1711194 US/PC

L14 62 L13 AND US/PC

=> s l14 and py<=2002

22883798 PY<=2002

L15 53 L14 AND PY<=2002

=> d l8 ibib abs tot

L8 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:546473 HCAPLUS

DOCUMENT NUMBER: 141:106279

TITLE: Preparation of aminobenzophenones for use in the treatment of inflammatory diseases

INVENTOR(S): Ottosen, Erik Rytter; Bjorkling, Fredrik; Dannacher, Heinz Wilhelm

PATENT ASSIGNEE(S): Leo Pharma A/S, Den.

SOURCE: PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND

DATE

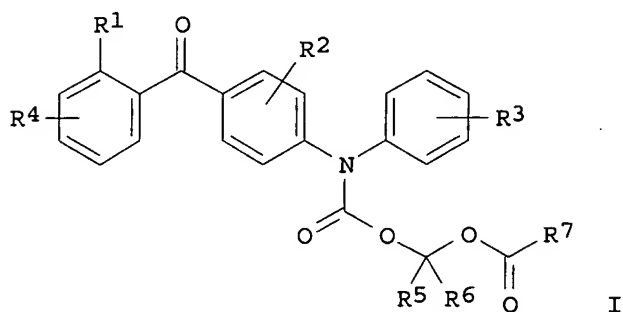
APPLICATION NO.

DATE

08/25/2007

Page 29

WO 2004056762	A2	20040708	WO 2003-DK900	20031219
WO 2004056762	A3	20040812		
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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2003287917	A1	20040714	AU 2003-287917	20031219
EP 1583735	A2	20051012	EP 2003-779757	20031219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
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US 2006058380	A1	20060316	US 2005-539602	20050617
NO 2005003562	A	20050720	NO 2005-3562	20050720
PRIORITY APPLN. INFO.:			US 2002-434798P	P 20021220
			WO 2003-DK900	W 20031219
OTHER SOURCE(S):		MARPAT 141:106279		
GI				



AB Aminobenzophenones I [R1 = halogen, OH, SH, CF3, aminoalkyl, alkenyl, alkoxy, alkylthio, alkylamino, CN; R2, R4 = H, halogen, OH, SH, CF3, aminoalkyl, alkenyl, alkoxy, alkylthio, alkylamino, CN, alkoxycarbonyl, NO2; R3 = H, halogen, OH, SH, CF3, CN, CONH2, alkyl, alkenyl, alkoxy, alkylthio, alkoxycarbonyl; R5, R6 = H, alkyl, alkenyl; R7 = (un)substituted alkyl, cycloalkyl, alkenyl, heterocyclyl, alkynyl] were prepared for use as prodrugs for cytokine inhibitors in treating inflammatory diseases. Thus, (E)-3,4-Cl(2-MeC6H4CO)C6H3N(C6H3MeF-2,4)CO2CHMeO2CCH:CHMe (II) was obtained from 3,4-Cl(2-MeC6H4CO)C6H3NH(C6H3MeF-2,4) by reaction with ClCO2CHMeCl, followed by (E)-MeCH:CHCO2NBu4. II had IC50 for inhibition of IL-1 β of 7.9 nM.

10539602.trn

=> d 115 ibib abs 40-53

L15 ANSWER 40 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1983:98867 HCAPLUS

DOCUMENT NUMBER: 98:98867

TITLE: Phthalide derivatives and a recording system utilizing them as colorless chromogenic material

INVENTOR(S): Misturi, Kondo; Tomoyuki, Okimoto; Nobuo, Kanda

PATENT ASSIGNEE(S): Kanzaki Paper Mfg. Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 68 pp.

CODEN: EPXXDW

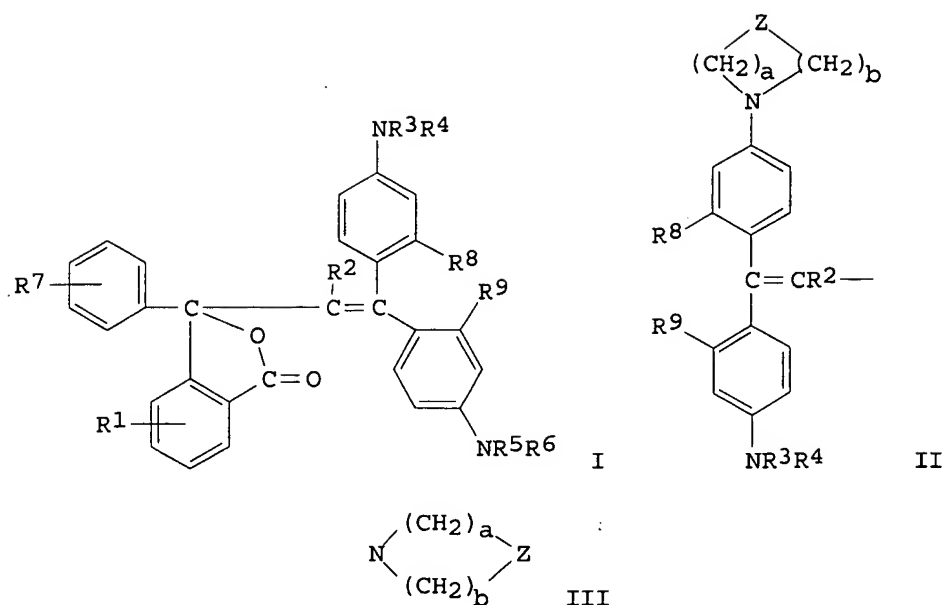
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 62544	A1	19821013	EP 1982-301885	19820408 <--
EP 62544	B1	19870930		
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
JP 57167979	A	19821016	JP 1981-53678	19810408 <--
JP 63051113	B	19881012		
JP 58157779	A	19830919	JP 1982-39965	19820313 <--
JP 04004316	B	19920127		
EP 127203	A1	19841205	EP 1984-200378	19820408 <--
EP 127203	B1	19890628		
R: CH, DE, FR, GB, LI				
US 4641160	A	19870203	US 1984-667805	19841102 <--
US 4748148	A	19880531	US 1986-929786	19861113 <--
PRIORITY APPLN. INFO.:			JP 1981-53678	A 19810408
			JP 1982-39965	A 19820313
			US 1982-366338	A1 19820407
			EP 1982-301885	P 19820408
			US 1984-667805	A3 19841102
OTHER SOURCE(S):		CASREACT 98:98867; MARPAT 98:98867		
GI				



AB A colorless chromogenic material for use in the various recording systems (pressure-sensitive copying, thermal, electrothermal, ultrasonic, electron-beam, electrostatic and optical) which provides color images with good UV resistance and good IR absorption comprises phthalide derivative I [R1 = H, halogen, alkyl, alkoxy, NO₂, amino; R2 = H, alkyl; R3-R6 = H, alkyl, aralkyl, aryl or R3 + R4 together with adjacent N or R5 + R6 with adjacent N form heterocyclic ring; R8, R9 = H, alkyl, alkoxy; R7 = H, halogen, alkyl, alkoxy, NO₂, II, III (where Z = O, CH₂ and a + b ≥ 3)].

Thus, a base support was coated with a composition comprising a liquid 1 (containing

3- (p-methoxyphenyl) -3- [1,1-bis(p-dimethylaminophenyl)-ethylene-2-yl]-6-dimethylaminophthalide 5, stearic acid amine 1, 2% aqueous hydroxyethylcellulose 25 parts) 62, a liquid 2 (containing 4,4'-isopropylidenediphenol 50, stearic acid amide 10, 2% aqueous hydroxyethylcellulose 250 parts) 31, Syloid 244 25, 20% aqueous solution of a salt of styrene-maleic anhydride copolymer 175, Zn stearate 5, and H₂O 100 parts to give a heat-sensitive recording material which was pressed with pressure of 4 kg/cm² for 5 s on a plate heated at 125° to develop blue-green images. The images had superior light resistance.

L15 ANSWER 41 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1982:26837 HCAPLUS

DOCUMENT NUMBER: 96:26837

TITLE: Color formers for image recording materials

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

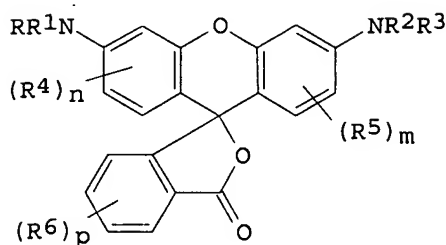
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 56077189	A	19810625	JP 1979-155117	19791130 <--

JP 01007596	B	19890209		
GB 2066835	A	19810715	GB 1980-38350	19801128 <--
GB 2066835	B	19841031		
DE 3045022	A1	19810827	DE 1980-3045022	19801128 <--
DE 3045022	C2	19900809		
ES 497304	A1	19811201	ES 1980-497304	19801128 <--
US 4390616	A	19830628	US 1980-212010	19801201 <--
ES 505548	A1	19820601	ES 1981-505548	19810916 <--
US 4436920	A	19840313	US 1982-357105	19820311 <--
PRIORITY APPLN. INFO.:			JP 1979-155117	A 19791130
			US 1980-212010	A3 19801201
OTHER SOURCE(S):	MARPAT	96:26837		
GI				



I

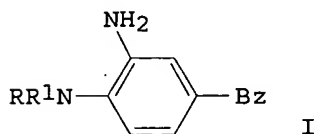
AB Diarylaminofluorans I (R, R1 = aryl, heterocyclic moiety; RR1 in combination may form a heterocycle; R2, R3 = H, alkyl, cycloalkyl, aralkyl, aryl, heterocyclic moiety; R2R3 combination may form a heterocycle; R4, R5, R6 = alkyl, alkoxy, halo, NO2, NH2, alkylamino, dialkylamino, acylamino; n, m = 0-3; p = 0-4) are used as the dye precursors for pressure- or heat-sensitive imaging materials. Thus, 3',6'-bis(diphenylamino)fluoran was dissolved in an alkylnaphthalene and the solution was microencapsulated. The pressure-sensitive copying paper obtained by using the microcapsule dispersion showed good coloration characteristics and gave a copy having excellent light fastness and heat resistance.

L15 ANSWER 42 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1979:22605 HCAPLUS
 DOCUMENT NUMBER: 90:22605
 TITLE: Diamino-substituted compounds
 INVENTOR(S): Toth, Edith; Torley, Jozsef; Palosi, Eva; Szeberenyi, Szabolos; Szporny, Laszlo; Gorog, Samdor; Meszaros, Csilla
 PATENT ASSIGNEE(S): Richter, Gedeon, Vegyeszeti Gyar Rt., Hung.
 SOURCE: Patentschrift (Switz.), 8 pp.
 CODEN: SWXXAS
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 605645	A5	19781013	CH 1974-10220	19740724 <--
HU 167950	B	19760128	HU 1973-RI518	19730726 <--

AT 7405096	A	19770215	AT 1974-5096	19740619 <--
AT 339283	B	19771010		
IL 45083	A	19780615	IL 1974-45083	19740620 <--
AU 7470358	A	19760108	AU 1974-70358	19740621 <--
SE 7408366	A	19750127	SE 1974-8366	19740625 <--
SE 408298	C	19790920		
SE 408298	B	19790605		
RO 65994	A2	19790715	RO 1974-79389	19740702 <--
RO 65994	A1	19800115		
DD 116601	A5	19751205	DD 1974-179674	19740703 <--
US 3989701	A	19761102	US 1974-485744	19740703 <--
GB 1441873	A	19760707	GB 1974-30288	19740709 <--
NL 7409314	A	19750128	NL 1974-9314	19740710 <--
FR 2238480	A1	19750221	FR 1974-25070	19740718 <--
CS 175481	B2	19770531	CS 1974-5166	19740719 <--
FI 7402231	A	19750127	FI 1974-2231	19740722 <--
FI 62057	B	19820730		
FI 62057	C	19821110		
DK 7403934	A	19750324	DK 1974-3934	19740722 <--
BE 818021	A1	19741118	BE 1974-146879	19740724 <--
PL 91414	B1	19770228	PL 1974-172979	19740724 <--
JP 50041843	A	19750416	JP 1974-85565	19740725 <--
SU 506290	A3	19760305	SU 1974-2047404	19740725 <--
AT 7607470	A	19770615	AT 1976-7470	19761007 <--
AT 341501	B	19780210		
AT 7607471	A	19770615	AT 1976-7471	19761007 <--
AT 341502	B	19780210		
AT 343099	B	19780510	AT 1976-7469	19761007 <--
US 4201723	A	19800506	US 1977-808952	19770622 <--
PRIORITY APPLN. INFO.:			HU 1973-RI518	A 19730726
			AT 1974-5096	A 19740619
			US 1974-485744	A3 19740703
			US 1976-658997	A1 19760218

GI



AB I was prepared by reduction of the corresponding nitro compds; in some cases they had antifebrile, sedative, or antidepressant properties. I prepared were (R, R1 = Me2CHCH2, Me2CHCH2; n-C5H11, n-C5H11; Et, cyclohexyl; Me, octyl; Et, Ph; Me, benzyl; RR1N = pyrrolidino, morpholino, piperidino, hexahydroazepino, 4-methylpiperazino); several derivs. of some of these were also prepared

L15 ANSWER 43 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1977:49229 HCAPLUS
 DOCUMENT NUMBER: 86:49229
 TITLE: Chromogenic compounds for copying paper
 INVENTOR(S): Farber, Sheldon
 PATENT ASSIGNEE(S): NCR Corp., USA
 SOURCE: Ger. Offen., 22 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent

LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

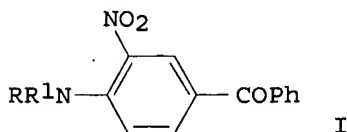
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2614919	A1	19761021	DE 1976-2614919	19760407 <--
US 4035393	A	19770712	US 1975-566847	19750410 <--
CA 1078845	A1	19800603	CA 1975-238901	19751103 <--
JP 51118766	A	19761018	JP 1976-5391	19760120 <--
FR 2306991	A1	19761105	FR 1976-10427	19760409 <--
FR 2306991	B1	19781117		
CH 621350	A5	19810130	CH 1976-4524	19760412 <--
			US 1975-566847	A 19750410

PRIORITY APPLN. INFO.:
 AB Thirty three colorless spiropyrans are described for use as color formers in pressure-sensitive copying papers. Thus, spiro[benzo(c)furan-1-one]-3,4'-[2',3'-di(p-dimethylaminophenyl)-7'-toluidino-2'H,3'H,4'H-1'-benzopyran] (I) was prepared by reacting phthalic anhydride with m-(N-p-tolylamino)phenol in the presence of a catalyst to give 2'-carboxy-2-hydroxy-4-toluidinobenzophenone, which was then reacted with 1,1-bis(p-dimethylaminophenyl)ethylene. A solution of I gave on contact with a siltone clay or a phenolic resin a green color with an absorption maximum at 660 nm.

L15 ANSWER 44 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1976:477900 HCAPLUS
 DOCUMENT NUMBER: 85:77900
 TITLE: Substituted nitrobenzophenone derivatives
 INVENTOR(S): Toth, Edit; Torley, Jozsef; Palosi, Eva; Szeberenyi, Szaboles; Szporny, Laszlo; Gorog, Sandor; Meszaros, Csilla
 PATENT ASSIGNEE(S): Richter, Gedeon, Vegyeszeti Gyar Rt., Hung.
 SOURCE: U.S., 5 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3957777	A	19760518	US 1974-485701	19740703 <--
US 3975390	A	19760817	US 1975-603854	19750812 <--
US 4064121	A	19771220	US 1975-603855	19750812 <--
US 4221739	A	19800909	US 1975-603853	19750812 <--
			HU 1973-RI517	A 19730726
			US 1974-485701	A3 19740703

PRIORITY APPLN. INFO.:
 GI



AB The aminobenzophenones I [R = R1 = Me2CHCH2, n-C5H11; R, R1 = Et, cyclohexyl; Me, n-C8H17; Et, Ph; Me, PhCH2; NRR1 = piperidino,

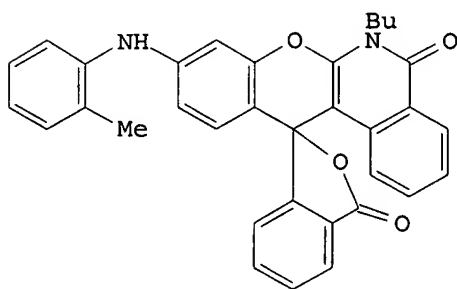
pyrrolidino, morpholino, heptamethylenimino, 4-methylpiperazino (II)], useful as antipyretics and for induction of liver microsomal enzyme, were prepared by heating RR1NH with 4-chloro(or bromo)-3-nitrobenzophenone. A quaternary salt of II was prepared by refluxing with EtBr in acetone.

L15 ANSWER 45 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1976:181610 HCAPLUS
DOCUMENT NUMBER: 84:181610
TITLE: Lactones of the benzazaxanthene series and dye-forming components for duplication processes
INVENTOR(S): Schefczik, Ernst; Kast, Hellmut
PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.
SOURCE: U. S. Publ. Pat. Appl. B, 4 pp.
CODEN: USXXDP
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 492039	I5	19760224	US 1974-492039	19740726 <--
US 3997541	A	19761214		
DE 2338954	A1	19750220	DE 1973-2338954	19730801 <--
PRIORITY APPLN. INFO.:			DE 1973-2338954	A 19730801

GI



AB Benzazaxanthene I [55447-66-0], useful as a color former for pressure-sensitive copying paper, was prepared by heating a mixture of 2-(4-o-toluidino-2-hydroxybenzoyl)benzoic acid [55447-63-7] and N-butylhomophthalimide [59174-29-7] in HOAc and Ac2O.

L15 ANSWER 46 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1976:18050 HCAPLUS
DOCUMENT NUMBER: 84:18050
TITLE: Polymers of aromatic amines
INVENTOR(S): Hara, Shigeyoshi; Mori, Koh; Taketani, Yutaka; Senoo, Masao
PATENT ASSIGNEE(S): Teijin, Ltd., Japan
SOURCE: Ger. Offen., 99 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2507380	A1	19750904	DE 1975-2507380	19750220 <--
DE 2507380	C3	19790104		
JP 50113599	A	19750905	JP 1974-19373	19740220 <--
US 4069206	A	19780117	US 1975-550738	19750218 <--
CA 1073146	A1	19800304	CA 1975-220446	19750219 <--
BE 825738	A1	19750616	BE 1975-153523	19750220 <--
NL 7502026	A	19750822	NL 1975-2026	19750220 <--
NL 168532	B	19811116		
NL 168532	C	19820416		
FR 2261305	A1	19750912	FR 1975-5325	19750220 <--
FR 2261305	B1	19800814		
GB 1499754	A	19780201	GB 1975-7202	19750220 <--
CH 630934	A5	19820715	CH 1975-2115	19750220 <--
			JP 1974-19373	A 19740220

PRIORITY APPLN. INFO.:

GI For diagram(s), see printed CA Issue.

AB Hygroscopic and photosensitive polymers were prepared from dihalo aromatic compds. (containing electron-rich groups) and aromatic or aliphatic compds. containing 2

groups that could participate in nucleophilic displacement reactions with the halogens of the other aromatic compound Thus, O(C₆H₄NH₂-4)₂ was condensed with SO₂[C₆H₃(NO₂)Cl-3,4]₂ to give a polymer [56899-96-8] with the repeating unit I. A 50 μ film of this polymer exhibited a tensile strength of 10 kg/cm², elongation of 10% and scarcely any weight loss when heated to 300° at 5°/min.

L15 ANSWER 47 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1975:607571 HCAPLUS

DOCUMENT NUMBER: 83:207571

TITLE: Benzazaxanthene lactone color formers

INVENTOR(S): Scheffczik, Ernst; Kast, Helmut

PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.

SOURCE: Ger. Offen., 14 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2338954	A1	19750220	DE 1973-2338954	19730801 <--
US 492039	I5	19760224	US 1974-492039	19740726 <--
US 3997541	A	19761214		
CH 605961	A5	19781013	CH 1974-10425	19740729 <--
FR 2245657	A2	19750425	FR 1974-26412	19740730 <--
GB 1478516	A	19770706	GB 1974-33739	19740731 <--
BE 818368	A4	19750203	BE 1974-147181	19740801 <--
JP 50049331	A	19750502	JP 1974-87599	19740801 <--
			DE 1973-2338954	A 19730801

PRIORITY APPLN. INFO.:

GI For diagram(s), see printed CA Issue.

AB Heating N-butylhomophthalimide [20863-83-6] and 2-[2,4-HO(2-MeC₆H₄NH)C₆H₃CO]C₆H₄CO₂H [55447-63-7] in HOAc containing Ac₂O gave the colorless lactone (I) [55447-66-0], useful as color former on contact with acids in pressure-sensitive copying paper.

L15 ANSWER 48 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1975:427911 HCAPLUS
 DOCUMENT NUMBER: 83:27911
 TITLE: Diaminobenzophenones and their salts
 INVENTOR(S): Toth, Edit; Torley, Jozsef; Palosi, Eva; Szeberenyi, Szabolcs; Szporny, Laszlo; Gorog, Sandor; Meszaros, Csilla
 PATENT ASSIGNEE(S): Richter, Gedeon, Vegyeszeti Gyar Rt.
 SOURCE: Ger. Offen., 45 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2435817	A1	19750206	DE 1974-2435817	19740725 <--
DE 2435817	B2	19791018		
DE 2435817	C3	19800703		
HU 167950	B	19760128	HU 1973-RI518	19730726 <--
AT 7405096	A	19770215	AT 1974-5096	19740619 <--
AT 339283	B	19771010		
IL 45083	A	19780615	IL 1974-45083	19740620 <--
AU 7470358	A	19760108	AU 1974-70358	19740621 <--
SE 7408366	A	19750127	SE 1974-8366	19740625 <--
SE 408298	C	19790920		
SE 408298	B	19790605		
RO 65994	A2	19790715	RO 1974-79389	19740702 <--
RO 65994	A1	19800115		
DD 116601	A5	19751205	DD 1974-179674	19740703 <--
US 3989701	A	19761102	US 1974-485744	19740703 <--
GB 1441873	A	19760707	GB 1974-30288	19740709 <--
NL 7409314	A	19750128	NL 1974-9314	19740710 <--
FR 2238480	A1	19750221	FR 1974-25070	19740718 <--
CS 175481	B2	19770531	CS 1974-5166	19740719 <--
FI 7402231	A	19750127	FI 1974-2231	19740722 <--
FI 62057	B	19820730		
FI 62057	C	19821110		
DK 7403934	A	19750324	DK 1974-3934	19740722 <--
BE 818021	A1	19741118	BE 1974-146879	19740724 <--
PL 91414	B1	19770228	PL 1974-172979	19740724 <--
JP 50041843	A	19750416	JP 1974-85565	19740725 <--
SU 506290	A3	19760305	SU 1974-2047404	19740725 <--
AT 7607470	A	19770615	AT 1976-7470	19761007 <--
AT 341501	B	19780210		
AT 7607471	A	19770615	AT 1976-7471	19761007 <--
AT 341502	B	19780210		
AT 343099	B	19780510	AT 1976-7469	19761007 <--
US 4201723	A	19800506	US 1977-808952	19770622 <--
PRIORITY APPLN. INFO.:			HU 1973-RI518	A 19730726
			AT 1974-5096	A 19740619
			US 1974-485744	A3 19740703
			US 1976-658997	A1 19760218

OTHER SOURCE(S): MARPAT 83:27911

AB 4,3-(R1RN)(H2N)C6H3COPh (I; R = R1 = iso-Bu or pentyl; R = Et, R1 = cyclohexyl or Ph; R = Me, R1 = octyl or benzyl; or RR1N = morpholino, heptamethylenimino, pyrrolidino, piperidino, or N-methylpiperazino) were prepared as the free base or hydrochloride or fumarate salt by reduction or hydrogenation of the corresponding 3-nitro compds. I were effective antipyretics, antidepressants, and were effective in stimulation of liver

enzymes. Acylation of the 3-amino group of I (RR1N = morpholino) with palmitoyl, propionyl, or 3,4,5-trimethoxybenzoyl chloride gave the corresponding 3-amido analog.

L15 ANSWER 49 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1975:412222 HCAPLUS
DOCUMENT NUMBER: 83:12222
TITLE: Diazaxanthene lactone color formers
INVENTOR(S): Kast, Helmut; Dunkelmann, Guenter
PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 11 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2338953	A1	19750220	DE 1973-2338953	19730801 <--
CH 589091	A5	19770630	CH 1974-10424	19740729 <--
CA 1031338	A1	19780516	CA 1974-205869	19740729 <--
FR 2239472	A2	19750228	FR 1974-26411	19740730 <--
FR 2239472	B2	19780630		
GB 1474631	A	19770525	GB 1974-33521	19740730 <--
US 3931182	A	19760106	US 1974-493384	19740731 <--
BE 818365	A4	19750203	BE 1974-147178	19740801 <--
JP 50042531	A	19750417	JP 1974-87601	19740801 <--
DD 115500	A6	19751005	DD 1974-180258	19740801 <--
			DE 1973-2338953	A 19730801

PRIORITY APPLN. INFO.:

GI For diagram(s), see printed CA Issue.

AB Heating 2-(dibutylamino)-4-hydroxy-6-methylpyrimidine [55447-64-8] and 2-[2,4-HO(2-MeC6H4NH)C6H3CO]C6H4CO2H [55447-63-7] in HOAc containing Ac2O gave the colorless lactone (I) [55447-65-9] turning bluish red on contact with acids and used in pressure-sensitive copying paper.

L15 ANSWER 50 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:406802 HCAPLUS
DOCUMENT NUMBER: 79:6802
TITLE: Chromogenic compounds for recording and transfer media
INVENTOR(S): Kondo, Mitsuru; Miyake, Makoto; Iwasaki, Hiroshi
PATENT ASSIGNEE(S): Kanzaki Paper Manufg. Co., Ltd.
SOURCE: Ger. Offen., 81 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2240991	A1	19730222	DE 1972-2240991	19720821 <--
DE 2240991	C2	19820513		
JP 48029776	A	19730419	JP 1971-63830	19710821 <--
JP 51025028	B	19760728		
JP 48057707	A	19730814	JP 1971-92047	19711116 <--
JP 53048124	B	19781227		
JP 48101215	A	19731220	JP 1972-35370	19720407 <--
JP 53048127	B	19781227		
JP 49004722	A	19740116	JP 1972-42712	19720428 <--

JP 55004782 B 19800131
 GB 1374047 A 19741113 GB 1972-38958 19720821 <--
 US 3970671 A 19760720 US 1974-491133 19740723 <--
 PRIORITY APPLN. INFO.: JP 1971-63830 A 19710821
 JP 1971-92047 A 19711116
 JP 1972-35370 A 19720407
 JP 1972-42712 A 19720428
 US 1972-282055 A2 19720821

AB Chromogenic fluorans (I, R = H, Me, Et, PhCH₂, p-ClC₆H₄; R₁ = H, Me, Et, PhCH₂; R₂ = Et; R₃ = Et, p-MeC₆H₄) were prepared and were used in pressure sensitive copying paper giving fast violet to blue color in contact with silica gel. Thus, a mixture of 2-HO₂CC₆H₄COC₆H₃(NEt₂)OH-4,2 and 2,5-HOC₁₀H₆NH₂ in H₂SO₄ was heated, and the intermediate hydrolyzed with NaOH to give the benzo[a]xanthene derivative which was dehydrated to give chromogenic fluoran I (R = R₁ = H (4-amino); R₂ = R₃ = Et) [40445-24-7]. The other I were similarly prepared

L15 ANSWER 51 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:31403 HCAPLUS
 DOCUMENT NUMBER: 78:31403
 TITLE: Acid nitro dyes
 INVENTOR(S): Bruenisholz, Jean; Beffa, Fabio
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G.
 SOURCE: Ger. Offen., 11 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2218446	A	19721026	DE 1972-2218446	19720417 <--
CH 560746	A5	19750415	CH 1971-5634	19710419 <--
US 3819690	A	19740625	US 1972-240850	19720403 <--
AU 7240797	A	19731011	AU 1972-40797	19720405 <--
CA 992962	A1	19760713	CA 1972-138899	19720405 <--
FR 2133803	A5	19721201	FR 1972-13350	19720417 <--
FR 2133803	B1	19761203		
IT 962073	B	19731220	IT 1972-49679	19720417 <--
SU 451257	A3	19741125	SU 1972-1774452	19720417 <--
PL 83694	B1	19751231	PL 1972-154785	19720417 <--
BE 782276	A1	19721018	BE 1972-116463	19720418 <--
NL 7205196	A	19721023	NL 1972-5196	19720418 <--
BR 7202312	D0	19730925	BR 1972-2312	19720418 <--
DD 101912	A5	19731120	DD 1972-162383	19720418 <--
AT 311514	B	19731126	AT 1972-3377	19720418 <--
PRIORITY APPLN. INFO.:			CH 1971-5634	A 19710419
			CH 1972-2619	A 19720223

AB Nitro dye I (R = X = H, Y = SO₃Na) [37936-54-2] and nitro dye I (R = NO₂, X = SO₃H, Y = H) [37936-55-3], dyeing nylon carpet yarn lightfast level yellowish brown shades, were prepared by reaction of PhNHC₆H₃(NH₂)SO₃Na-4,2 with 4-MeC₆H₄COC₆H₃(NO₂)Cl-3,4 (II) in the presence of Na₂CO₃ or reaction of 2,4-HO₃S(O₂N)C₆H₃NHC₆H₄NH₂-4 with II in the presence of MgO.

L15 ANSWER 52 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1970:467091 HCAPLUS
 DOCUMENT NUMBER: 73:67091
 TITLE: Aromatic poly(amide imines) and their N-aryl

substituted polybenzimidazole derivatives
 INVENTOR(S): Hara, Shigeyoshi; Senoo, Masao; Uchida, Moriya;
 Yoshida, Tsunemasa; Imai, Yoshio
 PATENT ASSIGNEE(S): Teijin Ltd.
 SOURCE: U.S., 30 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3518234	A	19700630	US 1968-732037	19680527 <--
PRIORITY APPLN. INFO.:			US 1968-732037	A 19680527

AB Poly(amide imines) (I) are prepared by treating an aromatic triamine or tetramine with an aromatic dicarboxylic halide in the presence of an acid acceptor, and are cyclodehydrated to the corresponding polybenzimidazoles (II). I were soluble in organic solvents, e.g. AcNMe₂ and HCONMe₂, and were easily fabricated into films and shaped articles. II, which had enhanced heat stability and chemical resistance, were spun into fibers. As an example, 2,4-diaminodiphenylamine in tetrahydrofuran was treated with terephthaloyl chloride in the presence of Na₂CO₃ to obtain the poly(amide imine), which was heated to yield the polybenzimidazole, stable to 430°.

L15 ANSWER 53 OF 53 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1965:480343 HCAPLUS
 DOCUMENT NUMBER: 63:80343
 ORIGINAL REFERENCE NO.: 63:14755h,14756a-b
 TITLE: Preparation of aromatic amines by aromatization of alicyclic ketones
 PATENT ASSIGNEE(S): Monsanto Co.
 SOURCE: 20 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 989257		19650414	GB 1962-3935	19620201 <--
US 3219702		19651123	US 1961-86600	19610202 <--
US 3219704		19651123	US 1961-86585	19610202 <--
PRIORITY APPLN. INFO.:			US	19610202

AB N-Isopropyl-p-phenylenediamine (75 g.), 90 g. N-isopropyl-p-nitroaniline, 50 g. cyclohexanone, 50 g. xylene, and 10 g. 5% Pd/C were heated together to 168° for 44 min. while 20.4 cc. H₂O distilled. The mixture was hydrogenated under pressure, the xylene distilled, and the amine distilled under

reduced pressure to give 102 g. N-iso-propyl-N'-phenyl-p-phenylenediamine, m. 65° (open pan). Similarly prepared were N-cyclohexyl-N'-phenyl-p-phenylenediamine, m. 116.9-17.7°; diphenylamine, m. 46-7°; N,N'-diphenyl-p-phenylenediamine, m. 140.5-44°; p-phenoxydiphenylamine, m. 100-1°; p-(2-ethylbutoxy)diphenylamine, b_{4.5} 21517°; N-cyclohexyl-N'-p-tolyl-p-phenylenediamine, m. 94-6°; p-octyloxydiphenylamine, m. 41-3°; N,N'-dicyclohexyl-p-phenylenediamine; N-(4-ethoxyphenyl)-N'-phenyl-p-phenylenediamine, m. 117.8-18.4°; N-cyclohexyl-N'-(1-naphthyl)-p-phenylenediamine, m. 120-1°; N-methylaniline; phenyl-α-

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naphthylamine, m. 58.4-9.5°, and the β -isomer, m. 107.4-108°; 4-ani-linophenol, m. 65-7°; p-ethoxydiphenylamine, m. 71-2°; 4-iso-bornyloxydiphenylamine, m. 84-5°; 2-methoxydiphenylamine, b2 158-60°; 4-methyldiphenylamine, m. 87-8°; N-tert-butyl-N'-phenyl-p-phenylenediamine, m. 69-70°; 4-ethoxy-3-methyl-diphenylamine, b2 184-7°; p-fluorodiphenylamine, m. 36.8-7.4°; p-benzoyldiphenylamine, m. 152-4°; Me 4-anilinobenzoate, m. 115.8-16.4°; 2,6-dimethyldiphenylamine, m. 53.6-4.6°; aniline; N-cyclohexylaniline; N-isopropyl-N'-cyclohexyl-p-phenylenediamine; N-methyldiphenylamine; and triphenylamine.

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
58.05	588.08

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-11.70	-12.48

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